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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: TANAKA et al

Examiner: T. Tung

FWC of Serial No.: 08/522,085

Art Unit: 1102

Filed: April 11, 1997

Title: OXYGEN CONCENTRATION DETECTOR

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7/16/97
April 11, 1997

PRELIMINARY AMENDMENT

Honorable Commissioner of
Patents & Trademarks
Washington, D. C. 20231

Sir:

Kindly preliminarily amend the above-referenced continuation application as follows:

IN THE CLAIMS

Kindly amend the claims as follows:

12. (Amended) An oxygen concentration detector comprising:
a sensor element including a solid electrolyte and external and internal electrodes provided on external and internal surfaces thereof, respectively;
a heater provided adjacent to said internal surface of said sensor element;
wherein said internal electrode consists of a material having a [high emissivity] porosity being equal to or more than 0.5, and said external electrode consists of a material having an emissivity lower than the emissivity of said internal electrode; and